



- NOTES
1. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THAT TIME.
  2. ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 681.1 ABOVE MEAN SEA LEVEL, I.G.L.D. 1985.
  3. PROJECT DEPTHS FOR THIS AREA ARE 10' & 8'.
  4. THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (4811), NORTH AMERICAN DATUM 1983 (NAD 83), US FOOT.
  5. THE LOCATION OF NAVIGATION BUOYS REPRESENTS THE GENERAL LOCATION ON THE DATE OF THE SURVEY AND CANNOT BE CONSIDERED FOR NAVIGATION.
  6. THE SURVEY SHOWN WAS CONDUCTED BY D.C. GOLTZ, PARTY CHIEF DURING 18 JUNE, 2003, USING D.P.P. 6, PORTIONING AN INNERSPACE 448 SOUNDER, AND A HYPACK AUTOMATED HYDROGRAPHIC SURVEY SYSTEM.

| SURVEY CONTROL |             |                      |
|----------------|-------------|----------------------|
| STA.           | DESCRIPTION | COORDINATES          |
| LAPOINTE       | BRASS DISK  | NORTHING EASTING     |
| LAP 1          | BRASS DISK  | 588581.93 1770742.68 |
| LAP 2          | BRASS DISK  | 589035.41 1770742.03 |
| LAP 3          | BRASS DISK  | 58872.22 1771226.73  |
| LAP 4          | BRASS DISK  | 588499.82 1770563.83 |
| NAV. AID       | SOUTH LIGHT | 588348.16 1770825.80 |
| NAV. AID       | GREEN LIGHT | 588679.95 1770741.69 |
| NAV. AID       | NORTH LIGHT | 588497.75 1770575.87 |

COMBINED GRID SCALE FACTOR = 1.00000233  
 GRID DIST. DIVIDED BY COMBINED GRID SCALE FACTOR = GROUND DIST.  
 HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATE SYSTEM,  
 WISCONSIN LAMBERT PROJECTION, NORTH ZONE, NORTH AMERICAN DATUM 1983 (NAD 83).

| COORDINATE TABLE |                  |                        |
|------------------|------------------|------------------------|
| POINT            | DESCRIPTION      | COORDINATES            |
| 1                | CHANNEL LINE #1  | 588587.901 1770805.693 |
| 2                | CHANNEL LINE #2  | 588586.094 1770813.378 |
| 3                | CHANNEL LINE #3  | 588533.488 1770773.608 |
| 4                | CHANNEL LINE #4  | 588500.742 1770774.132 |
| 5                | CHANNEL LINE #5  | 588730.362 1770854.774 |
| 6                | CHANNEL LINE #6  | 589035.042 1770750.776 |
| 7                | CHANNEL LINE #7  | 588812.684 1770806.273 |
| 8                | CHANNEL LINE #8  | 588849.295 1770701.974 |
| 9                | CHANNEL LINE #9  | 588817.008 1770815.780 |
| 10               | CHANNEL LINE #10 | 588776.295 1770733.480 |
| 11               | CHANNEL LINE #11 | 588868.077 1770714.486 |
| 12               | CHANNEL LINE #12 | 588840.076 1770816.082 |
| 13               | CHANNEL LINE #13 | 588850.326 1770814.002 |
| 14               | CHANNEL LINE #14 | 588535.326 1770803.180 |
| LAP 1            | CORPS DISK       | 588581.93 1770742.68   |
| LAP 2            | CORPS DISK       | 589035.41 1770742.03   |
| LAP 3            | CORPS DISK       | 58872.22 1771226.73    |
| LAP 4            | CORPS DISK       | 588499.82 1770563.83   |

- △ NO.
- NO.
- NO.

- HARBOR LINE
- CHANNEL LINE
- DREDGING LIMIT
- SHORELINE
- PROJECT DEPTH CONTOUR

# LEGEND

- HORIZONTAL CONTROL POINT
- DREDGING LIMIT TURNING POINT
- CHANNEL LINE TURNING POINT
- HARBOR LINE TURNING POINT
- HARBOR LINE
- CHANNEL LINE
- DREDGING LIMIT
- SHORELINE
- PROJECT DEPTH CONTOUR

|     |      |          |    |
|-----|------|----------|----|
| NO. | DATE | REVISION | BY |
|     |      |          |    |

DESIGNED BY: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_

SUBMITTED BY: \_\_\_\_\_

APPROVED: \_\_\_\_\_

CHIEF, PROJ. OPNS. SEC. \_\_\_\_\_

CHIEF, QTS BRANCH \_\_\_\_\_

CHIEF, CONST.-OPNS. DIV. \_\_\_\_\_

U.S. ARMY ENGINEER DISTRICT, DETROIT  
 CORPS OF ENGINEERS  
 DETROIT, MICHIGAN

LA POINTE HARBOR  
 WISCONSIN

CONDITION SURVEY - JUNE 2003

DULUTH AREA OFFICE DULUTH, MN

DATE: \_\_\_\_\_

SCALE AS SHOWN 1" = 50'

CADD FILE NAME: LAP7570/23.dwg

SHEET 1 OF 1

DRAWING NUMBER

LAP7570/23